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CLMPTO 08/12/04 JW

Amend Claims 3,5,7-9 14,15, 17, 19,21,25,26,33,34,36

 A mellized of delivering a packet from a first device in a first abonet of a scalarmet in a destination device in a second picturet of the seattainet comprising:

creating a circot radio communications this between the first device and the cest nation device; and

transmitting the packet via the direct radio common extiens tink.

- 2/4 method as claimed in claim 1, wherein the costination device is joined to the first picture.
 - 9. (CURRENTLY AMENDED) A method as paramed in dain if o≤, wherein the stop of creating a proof radio communications tok creating a triad above to between the first pictore; shall the second picture.
 - γ (CRIGINAL) A medical as delined in claim 2, wherein the tiest expand operates as Masser of the third globals.
 - 5. (CLERENTLY AMENDED) A mail (r) as objined in ulain: 1, 2, 0 or 4 wherein the exallernel has 9 tupo ogy defined at in axion of the scattering and creating the direct radio axion intentions for edjessions oppugy of the scattering.
 - 6. (DR.BINAL) A tregrod as claimed in plain 4, wherein the direct radio communications link creates a short-clicut in the network impology.
 - 7. (CURRENTLY AMENDED) A matter as glatned in empresseding d'am 1, wherein a ploonet sia alla lièpology low power radio frequency rework compasing a bilaster as a control radio and are or inche States as departed; acces, each of which there instrument had on in its to the Master, and a scatternet is a distributed low around to display on the extra communication that is the Master, and a scatternet is a distributed low around to communication finite.
 - (CURRENTLY AMENDED) A motified as claimed in any americang distinct, wherein the distribution entities the distribution device are mobile.

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9. (CURRENTLY AMENDED) A method as claimed in any-proceding claim 1. further companing

determining whether the recation of a direction of community on a link between the first. Next, on and the destination device is possible.

- 10 (ORIGINAL) A method as daimed in claim 9, wherein the packet comprises an admission has destination device and the slap of peleumining uses the identity of the destination device.
- 11. (ÜKRĞİNAL) A method as qlahası ir oların 10. wheren the slap oʻldetermining son pifessid-aminining if the destruction covice is with nited organization covice is to the destruction.
- 12 (DR SINAL) A method sale after in dain 3, where in the first device maintains a tall α of devices with a radiic communication range
- 12. (ORIGINAL) A mothed as charged in deligh 12, where in the file, som unisees, for each device within communication range, an address and a clock offset
- 14. (CURRENTLY AMENDED) A method as stamps in $\frac{1}{2}$ size 12 wherein the latus maintained using the Stiethoth logary procedure.
- IS. (CURRENTLY AMPLOPED) An ellipid as plained in claim (2, 40-c)-4, wherein the step of ceterining comprises the first device determining whether the (feeling) or device is included in the jet.
- 16. (QRIDINAL) A malfue as desired in earn 16, whereas the comparison occurs within the Suctooth Link tayon
- 17. (GURREN (LY AMENDED) 4 monorthands in dry the celling blain 1, wherein the direct radio communications link is remotrary.
- CRIGINAL) A method as diamed in claim 17, wherein the dimonethic communications tak to meased after a predetermined period of mactivity.
- 19. (CURRENT V AVENDED) A method as defined in any preceding daint j , wherein the packet is a routing request.

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23. (DHYSINA.) A method of celebring a people from a first cerces in a first electopology sub-network of a distributed few power radio frequency network in a dealitector device in a second standopology euo-natwork of the distributed network comprising:

 $\alpha_{\rm BB}/(g)z$ direction power radio frequency communications link between the first daylog and the coefficient covide, and

transmitting the dacket via the direct low power and office recy communications ink

21. (CURRENTLY AMENDED) 4 carder embodying expeription program which when loaded into a processor grapiles a method as claimed in degrees of claims 1 to 40.

 (OR GINAL) A code for participating in a first parameter a switteness and far detecting a people to a dealing on people in a second biconel of the scattering comprising;

meens for viesting a new direct racio communications link to the destination device while maintaining an existing filted ració communications link while the first piconet, and

a radio transmitten for transmitting the pracket visiting have clied communicational life.

23. (CRIGINAL) Amonomial following approximation of the scattered comprising: macroung the packet at the first dayon:

date mining whether the creation of a direct radio communications inkinoteach that by device and the death is to cover a puzelible, and

if it is not passible, forwarding the seeket within the seekharnat

- 24. (CRIGINAL JA. not and as cistmed in claim 29 further comprising ending an address of the first device to the packet before forwarding it.
- 25. (CURRENTLY AMENDED) A method as deimed in an in 23 ex-24, wherein the measure profess is transferred from a relevant eyer to a tine-eyer and, if possible, the link layer creates a direct radio communications this with the costination doy coland, in not possible, the tink layer forceds the received packet.
- 26. (CURRENTLY AMENDED) A method so deimed in deim 23 or 24, wherein like received packet is buffered in a network layer and a nobleaban comprising the address.

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of the destination device is transferred to a link tayer and it passible, the tink tayer meater is disport radio communications link with the positivation device and, if no, possible, replies to the network tayer which transfers the repetited backet to the Tak tayer for foreserting.

27. (CRIGIDAL) in irelated as diamed in plant 23, wherein the rectrict turber complete, if the greater of a chest red occumulations link between the first cence and the describer sevice is possible, creating a direct radio communications link between the first cence are the describer reduce.

28. (OR SIMAL) A method as claimed in claim 23, wherein the horse wat pracket is a materiagueal peoplet and the method furner comparises, if the creation of a direct radio summain cations into testimen the first device and the dealtheather device is possible transmitting a legal packet to a source of the receiver on the recuest packet.

20. (OR SINAL) A method of determining arous from a source coace mainst process the scatternel first describing seves in a sector of processor likely as the source content of the sector of the se

30 (CRIGINAL) A method as Partied in claim 29, wherein the method further continuouses, fine creation of a direct radio communications this pervisor files (69/9) and the (68/0600) (69/06 is possible, creating a direct radio communications this between the first decide and the description covide.

11.(UR BINAL) A mother at the trething a perket from a "rist device" in a "rist pick of total scattering and deathing, on previous in a second picking of that scattering composing arealing a third promot between the first promot and the second picking, and transmitting the page of visithe third picking.

22.(ORIGINAL) A method as charmed in claim 3° , wherein the the flowice operates as Messar of the third shorter.

2.5 (CURRENTLY AMENDED) A melliod as defined in claim 51 or 32 wherein the step of creating a third papers comprises smalling in direct radio communications 10.6 between the first people and the postination device.

34. (CURRENCEY AMENDED) A motion as partial in daling 31, \$2.4433 wherein the scatternes has a topology defined as initiation of the scatternes and smalling in filling placed and find in proceeds of the scatternes.

25 (CRIGINAL) A method as plained in claim 31, wherein the third pictural orbitions a short group in the network topology.

26 (CUMRENTI Y AMENDED) A method se divined in any one of claims 31 to 35, wherein a dicurret is a scar-topology law power tacto frequency network group is orginal Maranana gennal motios are one or more 5 seves as dependent nactos, cost of Africh has a radio communications tak to the Master, and a scaranos is a deflocace low growth radio. Registrony restoors, communication as obtaining of discrete that are interconnected by racio communication inter-

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